Roanoke (Staunton) River PCB TMDL
2007-2008 Monitoring Results

Station ID	Station Description	Sample Type	Total PCBs (pg/L)
4AROA131.55	Roanoke River @ Rte 29 Bypass in Altavista	Base Flow	57
		High Flow	187
4AGSE000.20	Goose Creek @ Rte 630	Base Flow	34
		High Flow	343
4AROA129.55	Roanoke River @ Bus Route 29 in Altavista	Base Flow	72
		High Flow (2007)	766
		High Flow (2008)	388
4ASCE000.26	Sycamore Creek @ Pocket Road	Base Flow	29
		BI-H Contract*	65
4AXLN000.00	Unnamed Tributary @ Altavista WWTP Access Lane	High Flow	1,489,098
4ALYH000.17	Lynch Creek @ Riverside Park	High Flow	34,673
4AROA127.79	Roanoke River @ Power Line Crossing	Base Flow	148
4AROA124.59	Roanoke River @ Old Mansion Bridge	High Flow (2007)	2,909
		High Flow (2008)	4,466
4ABOR000.62	Big Otter River @ Rte 712	Base Flow	115
		High Flow	253
4AROA108.09	Roanoke River @ Straightstone Road	Base Flow	1,147
4AROA097.76	Roanoke River Upstream of Brookneal	Base Flow	1,115
		High Flow	4,304
4AFRV002.78	Falling River @ Rte 600 in Brookneal	Base Flow	18
4AROA090.50	Roanoke River @ Rte 620	Base Flow	1,192
		High Flow	1,625
4ACUB002.21	Cub Creek @ Coles Ferry Road	Base Flow	12
		High Flow	13
4AROA067.91	Roanoke River @ Watkins Bridge	Base Flow	1,336
		High Flow	1,307
4ABWC001.00	Black Walnut Creek @ Black Walnut Road	High Flow	559
4AROC001.00	Roanoke Creek @ Roanoke Station Road	Base Flow	26
		High Flow	5
4AROA059.12	Roanoke River @ Rte 360	Base Flow	1,627
		High Flow	1,359
4ADFF002.02	Difficult Creek @ Dryburg Road	Base Flow	4

* Burlington Industries – Hurt facility contracted lab sample results

Roanoke (Staunton) River PCB TMDL
2007-2008 Monitoring Results

Station ID	Station Description	Sample Type	Total PCBs (ppb)
4AROA131.55	Roanoke River @ Rte 29 Bypass in Altavista	Sediment	2.9
4AROA129.55	Roanoke River @ Bus Route 29 in Altavista	Sediment	1.29
4ASCE000.26	Sycamore Creek @ Pocket Road	Sediment	1.35
4AROA097.76	Roanoke River Upstream of Brookneal	Sediment	8.45
4AROA090.50	Roanoke River @ Rte 620	Sediment	65.27
4ACUB002.21	Cub Creek @ Coles Ferry Road	Sediment	0.42
4AROA067.91	Roanoke River @ Watkins Bridge	Sediment	109.55
4ABWC001.00	Black Walnut Creek @ Black Walnut Road	Sediment	1.74
4AROC001.00	Roanoke Creek @ Roanoke Station Road	Sediment	0.55
4AROA059.12	Roanoke River @ Rte 360	Sediment	71.34

Facility	Date	Sample Type	Total PCBs (pg/L)
Burlington Industries – Hurt facility	August 2007	Effluent	7,222
		Effluent	2,141
		BI-H* Effluent	6,888
Altavista WWTP	August 2007	Effluent	9,998
Dominion Clover Power Station	August 2007	Effluent – Outfall 001	190
		Effluent – Outfall 009	31

* Burlington Industries – Hurt facility contracted lab sample results

Facility	Date	Sample Type	Total PCBs (ppb)
Burlington Industries – Hurt facility	August 2007	BI-H* Sludge	1,287
		BI-H* Sludge	1,205
Altavista WWTP	August 2007	Sludge	539

* Burlington Industries – Hurt facility contracted lab sample results

High/Base Flow & Effluent – Water samples analyzed using EPA Method 1668A. Method 1668A is considered High Resolution – Low Detection sampling and includes congener-specific determination.

Virginia Water Quality Criteria
Total PCBs in Water – 1700 pg/L
Proposed Criteria – 640 pg/L

Roanoke (Staunton) River PCB TMDL
2005 Data Results

Station ID	Station Description	Sample Type	Total PCBs (pg/L)
4AROA137.00	Roanoke River Below Leesville Dam	Virtual Fish	538.60
4AROA128.97	Roanoke River Upstream of Altavista	Virtual Fish	332.5
4ALYH000.00	Mouth of Lynch Creek	Virtual Fish	4,214.6
4AROA128.94	Roanoke River Near old Lane West Landfill	Virtual Fish	3,672.2
4AXLN000.00	Unnamed Tributary @ Altavista WWTP Access Lane	Virtual Fish	15,642,675
4AROA128.21	Roanoke River Near old Lane East Landfill	Virtual Fish	7,221.9
4ABOR000.62	Big Otter River @ Route 712	Virtual Fish	5,338.5
4AROA123.85	Roanoke River @ Old Mansion Bridge	Virtual Fish	1,558.2
4AROA090.50	Roanoke River @ Route 620 Downstream of Brookneal	Virtual Fish	496.7
4AROA067.91	Roanoke River @ Route 746 Near Randolph	Virtual Fish	74,309.2
		Base Flow	58
		High Flow	991
4AROA059.12	Roanoke River @ Route 360 Near Clover	Base Flow	262
		High Flow	1,317
Burlington Industries – Hurt	Final Effluent	24 Hour Composite	60,372
Dan River, Inc. – Brookneal	Final Effluent	24 Hour Composite	504
Town of Altavista WWTP	Final Effluent	24 Hour Composite	2,163

Virtual Fish – Device constructed from layflat tubing of low-density polyethylene (LDPE). Contaminants in the water (including PCBs) diffuse through the membrane and are concentrated over time. The devices are deployed for 30 days on average.

High/Base Flow & 24 Hour Composites – Water samples analyzed using EPA Method 1668A. Method 1668A is considered High Resolution – Low Detection sampling and includes congener-specific determination.

Virginia Water Quality Criteria
Total PCBs in Water – 1700 pg/L